Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

1-28. (Canceled)

29. (Previously Presented) An isolated antibody or antigen-binding fragment thereof which specifically binds to amino acids 29-1012 of SEQ ID NO: 2.

30. (Canceled)

31. (Currently Amended) The antibody or fragment thereof of claim 29, [[of]] which further specifically binds to amino acids 29-1013 of SEQ ID NO: 15.

32. (Previously Presented) The antibody or fragment thereof of claim 29, which further specifically binds to amino acids 29-1013 of SEQ ID NO: 16.

33. (Currently Amended) The antibody or fragment thereof of claim 29, wherein amino acids 29-1012 of SEQ ID NO: 2 ~~are~~ is encoded by SEQ ID NO: 1.

34. (Currently Amended) The antibody or fragment thereof of claim [[29]] 31, wherein amino acids 29-1013 of SEQ ID NO: 15 ~~are~~ is encoded by SEQ ID NO: 23.

35. (Currently Amended) The antibody or fragment thereof of claim [[29]] 32, wherein amino acids 29-1013 of SEQ ID NO: 16 ~~are~~ is encoded by SEQ ID NO: 24.

36. (Previously Presented) The antibody or fragment thereof of claim 29, which is polyclonal.

37. (Previously Presented) The antibody or fragment thereof of claim 29, which is monoclonal.

38. (Previously Presented) The antibody or fragment thereof of claim 29, which is humanized.

39. (Previously Presented) The antibody or fragment thereof of claim 29, which is chimeric.

40. (Previously Presented) The antibody or fragment thereof of claim 29, which is fully human.

41. (Currently Amended) The antibody or fragment thereof of claim 29, which is selected from the group consisting of a single chain Fv fragment (scFv), a F(ab')2 fragment, and a Fab fragment.

42. (Currently Amended) The antibody or antigen-binding fragment thereof of claim 29, which further specifically binds to the amino acid sequence encoded by the *Chlamydia trachomatis* insert in plasmid pJJ36-J from *E. coli* TOP10 (pJJ36-J).

43. (Canceled)

44. (Previously Presented) The antibody or fragment thereof of claim 42, which is polyclonal.

45. (Previously Presented) The antibody or fragment thereof of claim 42, which is monoclonal.

46. (Previously Presented) The antibody or fragment thereof of claim 42, which is humanized.

47. (Previously Presented) The antibody or fragment thereof of claim 42, which is chimeric.

48. (Previously Presented) The antibody or fragment thereof of claim 42, which is fully human.

49. (Currently Amended) The antibody or fragment thereof of claim 42, which is selected from the group consisting of a single chain Fv fragment (scFv), a F(ab')2 fragment, and a Fab fragment.

50. (Currently Amended) The ~~isolated~~ antibody or ~~antigen-binding~~ fragment thereof of claim 29, which further specifically binds to the amino acid sequence encoded by the *Chlamydia trachomatis* insert in plasmid pAH342 from *E. coli* BL21 (pAH342).

51. (Canceled)

52. (Previously Presented) The antibody or fragment thereof of claim 50, which is polyclonal.

53. (Previously Presented) The antibody or fragment thereof of claim 50, which is monoclonal.

54. (Previously Presented) The antibody or fragment thereof of claim 50, which is humanized.

55. (Previously Presented) The antibody or fragment thereof of claim 50, which is chimeric.

56. (Previously Presented) The antibody or fragment thereof of claim 50, which is fully human.

57. (Currently Amended) The antibody or fragment thereof of claim 50, which is selected from the group consisting of a single chain Fv fragment (scFv), a F(ab')2 fragment, and a Fab fragment.

Claim 58. (Currently Amended) The antibody of claim 36, which is produced by a method comprising (1) administering to an animal ~~the~~ amino acids 29-1012 of SEQ ID NO: 2 and (2) recovering said antibody from said animal.

59. (Canceled)